

DEPSCoR FY 2007

**Department of Defense Experimental Program to Stimulate Competitive Research
Winners**

Investigator's Name	Institution	State	Brief Description of Instrumentation or Research or Research It Supports	Awarding Office(s)
Liu, Fengshan	Delaware State University	DE	Inverse Scattering Theory for Radar	ARO
Righman, Jennifer	University of Delaware	DE	Blast Force Mitigation through Advanced Composite Materials	ARO
Kristy A. Campbell	Boise State University	ID	Reconfigurable Electronics and Non-Volatile Memory Research	AFOSR
Brian K. Johnson	University of Idaho	ID	Power Management of Small Naval Vessels	ONR
Qin Jim Chen	Louisiana State University and Agricultural and Mechanical College	LA	Integrated Modeling Framework for Simulations of Coastal Processes in Deltaic Environments Using High-Performance Computing	ONR
Mauricio Pereira da Cunha	University of Maine	ME	High Temperature Microwave Acoustic Technology for Aerospace Vehicle Health Management	AFOSR
Lewis S. Incze	University of Southern Maine	ME	Energy Transfer to Upper Trophic Levels on a Small Offshore Bank	ONR
Harshman, Lawrence	University of Nebraska - Lincoln	NE	Genome Biology of Innate Immunity: Genetic Dissection of <i>Drosophila melanogaster</i> Responses to <i>Bacillus</i> Infection	ARO
Ghodrat Karami	North Dakota State University	ND	Blast and the Consequences on Traumatic Brain Injury - Multiscale Mechanical Modeling of Brain	AFOSR
Rodney J. Soukup	University of Nebraska - Lincoln	NE	Variable Wide Bandgap Material for High Power, High Frequency Devices	AFOSR
Teeters, Dale	University of Tulsa	OK	The Integration of Nanoscale Techniques for an Improved Battery Technology	ARO
John Mintmire	Oklahoma State University	OK	Nanoscale Modeling of Tribological Processes in Extreme Conditions	ONR
DeVore, Ronald	University of South Carolina	SC	Capturing Sparsity In High Dimensional Data	ONR
Daniel A. Buttry	University of Wyoming	WY	Experimental and Theoretical Study of the Combined Influence of Mechanical and Chemical Stress on Pit Initiation	AFOSR
John E. McInroy	University of Wyoming	WY	Coordinated Hyperspectral Imaging Nano-Satellite Networks for Space Situational Awareness	AFOSR
Ogden, Fred	University of Wyoming	WY	Identification of Hydrologic Similarity in Military Operational Environments	ARO